BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 602000.00

Name of Work:-Construction of concrete drains and concrete roads at Ambedkar Nagara in ward no 04

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift up to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2016-17)								
	Desilting of drains		2	65 00	0 6	0 45	35.10		
		2x2	4	70 00	0 60	0 30	50.40		
			1	25 00	0 60	0 45	6.75		
							92.25	83.16	7671.51
	Baisc Rate	77.00							
	Area Weighatge @ 8%	6.16							
	Total	83.16							
2	KSRB 2-2 2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m specification, specification. No. KBS 2.1(b) / 2.3.5, **No. 5/ Item No. 2.4/ PWD SR 2015-16**	Cum							
			1	10.00	8.00	0.30	24.00		
			1	20.00	1.30	1.50	39.00		
			1	25.00	1.20	1.00	30.00		
							93.00	288.36	26817.48
	Baisc Rate	267.00							
	Area Weighatge @ 8%	21.36							
	Total	288.36							

3	KSRB 4-1.1: Providing and laying in position plain cement concrete of nominal mix 1:3:6using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	cum							
			1	10.00	8.00	0.10	8.00		
			1	20.00	1.20	0.10	2.40		
			1	25.00	1.00	0.10	2.50		
	Baisc Rate	4689.00					12.90	5064.12	65327.15
	Area Weighatge @ 8%	375.12							
	Total	5064.12							
4	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum			average				
	SSM Wall		2	20.00	0.75	1.30	39.00		
							39.00	4135.32	161277.48
	Baisc Rate	3829.00							
	Area Weighatge @ 8%	306.32							
	Total	4135.32							
5	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm							
			2	20.00		1.30	52.00	99.36	5167.00
	Baisc Rate	92.00							
	Area Weighatge @ 8%	7.36							
	Total	99.36							

6	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2015-16,p.no13,sno4.11)	Cum							
	Coping for SSM Wall		2	20.00	0.45	0.10	1.80		
	RCC drain for bed		1	25.00	0.90	0.15	3.38		
	For side wall		2	25.00	0.15	0.75	5.63		
	for road		1	10.00	8.00	0.10	8.00		
	for coping		1	20.00	0.15	0.20	0.60		
							19.40	**6198.12**	**120244.00**
	Baisc Rate	**5739.00**							
	Area Weighatge @ 8%	**459.12**							
	Total	**6198.12**							
7	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2015-16,p.no17,s.no4.46)	Tonn							
	per 65 kg per cum 0.65x12.15=7.89						**7.89**	**6528.70**	**51511.44**
	Baisc Rate	**65287.00**							
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2 (pwd sr2015-16, p.no15/4.31)	Sqm							
		2x2	4	25.00		0.75	75.00		
							75.00	**306.72**	**23004.00**
	Baisc Rate	**284.00**							
	Area Weighatge @ 8%	**22.72**							
	Total	**306.72**							

9	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (BBMP Approved Data Rate).	Sqm							
			1	25.00	0.90		22.50		
			1	20.00	1.20		24.00		
	missing slab		1	5.00	0.90		4.50		
							51.00	**1498.00**	**76398.00**
	Rate	1498.00							
10	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/ kanker/ Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1 Page no 130, PWD SR 2016-17)								
			Vide Item No 3+4				**185.25**	**68.04**	**12604.00**
	Baisc Rate	**63.00**							
	Area Weighatge @ 8%	**5.04**							
	Total	**68.04**							
			TOTAL						**550022.06**
			KRIDL 8%						**44001.76**
			Quality Charges 1%						**5500.22**
11	Miscellaneous charges								2476.00
								Total RS	**602000.00**
(Rupees six lakhs two thousand only)									

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramaraevah
Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 6.02 lacs
Six lacs & Two thousand only
is accorded under head P-1878-2015-16

Registered as CE No. Subject to conditions
No. EE/YNK/AM/30/16-17 4-1-17

TECHNICALLY SANCTIONED FOR Rs. 6.02 lacs
Six lacs & Two thousand only
Under P-1878-2015-16

Registered as CE ( ) No. 9 9
Subject to conditions contained in enclosed memo
Dt.
EE/YNK/TS/30/16-17
Dated 4-1-2017 6.02 lacs

NAME OF WORK :- CONSTRUCTION OF CONCRETE DRAINS & CONCRETE ROADS @ AMBEDKAR NAGAR IN WARD :- 04.